

## Claims

What is claimed is:

1. An automatic analyzer comprising a vessel holding device that comprises a holding zone having a surface and provided with a holder opening to hold a vessel, characterized in that the surface of the holding zone comprises an electrically conductive material connected to an electrical reference potential whereby charge equalization is provided on the surface at the holder opening.
2. The analyzer of claim 1, wherein the electrically conductive material is selected from the group consisting of nickel, a nickel alloy, gold, silver, titanium, and chromium.
3. The analyzer of claim 1, wherein the electrically conductive material is nickel or a nickel alloy.
4. The analyzer of claim 1, wherein the holding zone further comprises a base body coated with a surface layer comprising an electrically conductive material.
5. The analyzer of claim 4, wherein the base body is comprised of a material selected from the group consisting of plastic, aluminium, an aluminium alloy, and magnesium.
6. The analyzer of claim 1, wherein the surface is manufactured by a method selected from the group consisting of galvanic nickel plating, chemical nickel plating, and plasma coating.
7. The analyzer of claim 1, further comprising an incubator surrounding the sample holding device.